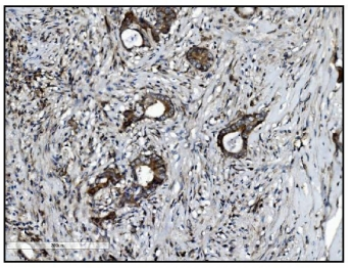
VAMP4 Antibody (RQ6405)

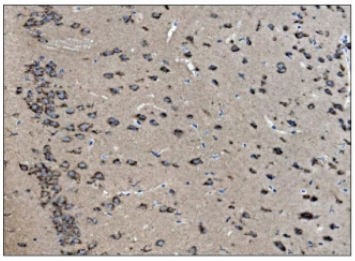
Catalog No.	Formulation	Size
RQ6405	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

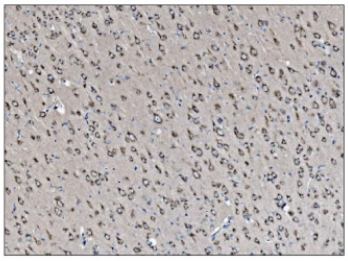
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	O75379
Localization	Cytoplasmic (Glogi)
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 2-5ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This VAMP4 antibody is available for research use only.



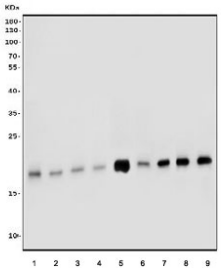
IHC staining of FFPE human breast cancer with VAMP4 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



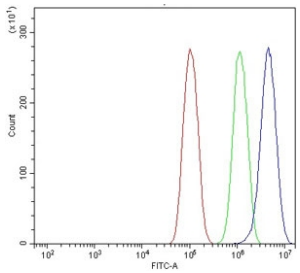
IHC staining of FFPE mouse brain tissue with VAMP4 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE rat brain tissue with VAMP4 antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of human 1) U-87 MG, 2) T-47D, 3) K562, 4) PC-3, 5) ThP-1, 6) HEK293, 7) HL60, 8) rat brain and 9) mouse brain tissue lysate with VAMP4 antibody. Predicted molecular weight ~16 kDa.



Flow cytometry testing of human PC-3 cells with VAMP4 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= VAMP4 antibody.

Description

Vesicle-associated membrane protein 4 is a protein that in humans is encoded by the VAMP4 gene. Synaptobrevins/VAMPs, syntaxins, and the 25-kD synaptosomal-associated protein SNAP25 are the main components of a protein complex involved in the docking and/or fusion of synaptic vesicles with the presynaptic membrane. The protein encoded by this gene is a member of the vesicle-associated membrane protein (VAMP)/synaptobrevin family. This protein may play a role in trans-Golgi network-to-endosome transport.

Application Notes

Optimal dilution of the VAMP4 antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids M1-A118) was used as the immunogen for the VAMP4 antibody.

Storage

After reconstitution, the VAMP4 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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